

**MANUFACTURE OF ETHYLENE COPOLYMER**

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**Abstract**

**PURPOSE:** To produce an ethylene copolymer having a high molecular weight without using methylalumoxane and without requiring any aromatic hydrocarbon solvents.  
**CONSTITUTION:** An ethylene copolymer is produced by reacting ethylene with a 3-20C monoolefin and, if required, a 4-20C polyene compound in the presence of a catalyst made up of a combination of the component (A), a compound of a transition metal of Group IVB to VIB of the Periodic Table of the Elements having at least one conjugated 5-membered ring ligand and the component (B), hexaisobutylalumoxane.

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